

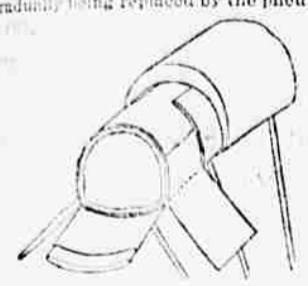
EASY, DURABLE, AND SPEEDY.

PNEUMATIC TIRES ARE BECOMING ALL THE RAGE FOR BICYCLES.

Adapted for Racing as Well as for Road Purposes—Many Improvements Within a Year—The Different Styles of Tires with Their Peculiarities.

Pneumatic tires are creating widespread interest in cycling circles. Riders and manufacturers are deeply interested in the relative merits of the various pneumatic tires which have been placed on the 1892 wheels. Every prominent manufacturer has a tire similar in outline, but totally different in construction from one another. American bicycle dealers have been attempting to fit the past year to perfect the pneumatic tire in order that it could be placed up in the market with a guarantee. They have succeeded. It is remarkable how this tire has come into popular favor. Its advantages were first apparent to the racing men—the increased speed of wheels with these tires attested bringing it into prominence. Last year, however, for road purposes became plain, and today the tire used for all purposes is the pneumatic.

There is a vast difference in the tire of to-day and those common use two years ago. The solid tires were usually a quarter or a half inch in diameter and immensely popular. Then came the cushion. This innovation was hailed with delight. The cushion tires were larger than the solid, and hollow in the center, but were elastic in riding. The cushion tire was a near approach to the pneumatic in construction, the difference being that it was not inflated, and the tire itself was thicker. The cushion is greatly used now, but it is gradually being replaced by the pneumatic.



INDUSTRIAL INNOVATION.

The pneumatic tire made its first appearance in Europe in 1888. It was then in every crux of the experiments of the past two years has been being wonderfully good shape. The first improvements had to do with puncture from the earliest induction. It has been this failing that the manufacturers have been working to overcome, and their efforts have been very successful. In America the tire was first introduced in the market; it was evident that it would revolutionize cycling. It was on the pneumatic tire vehicle that P. J. Bidwell, of New York, first won the American and World's Wimble the same distance in 2 minutes 15 seconds.

The first inflated tire was brought to this country by Mr. F. J. Laurie and W. J. Willis, two English racing men, had a wheel set over. The machine was used by them at the League of American Wheelmen at Niagara Falls, and the riders of the solid-tired wheels in all its appearance.

The advantages over the solid tire was apparent, and American racing men raised a big howl against its use. The American makers, finding themselves eclipsed, clashed the English inventors, and set

work to improve upon them.

There are many of these upon the market this year. Each maker has vied with the other in presenting a tire more complete of the various features. A tire in a pneumatic is a serious thing, unless a rider is to remedy the breaks. Great care must be taken in inflating the tire to avoid accidents. A tire should always be kept inflated. It is well to avoid all nails and sharp pointed stones with pneumatic tires. The following article has been tested by practical trials this season.

Nicoll the Tailor.
Broadway, 771,
N. W. Cor. Ninth St.,
145 & 147 Bowery,
New York.
Open evenings till 8 o'clock
Saturday 10 o'clock.

Order your
Spring Suit
Now!

Have it ready
for Easter.



Suits to
order
from \$20.00.
Trousers
to order
from \$5.00.

Our Selection of
Scotch and Irish
CHEVIOTS
are well! immense.

Newest designs and shades in
Fancy Worsted.

Bedford Cords,
Spring Overcoatings.

Our Trouserings
must be seen to be ap-
preciated; not enough
space here to describe
them.

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Broadway, 771,

N. W. Cor. Ninth St.,

145 & 147 Bowery,

New York.

Open evenings till 8 o'clock
Saturday 10 o'clock.

Sportsman's Goods.

VICTOR PNEUMATIC.
The Bidwell (Thomas) tire is a genuine
pneumatic, possessing great resilience and
speed, and one of the most popular tires of
the day. The construction of the tire is shown
in the cut, starting at the rim of the wheel.
The tube is bent to enter the rim, and the tube
entirely covering the rim. The rubber air
tube is secured in the seamless non-expansive
hose packed to a tight fit, so as to prevent
fats or air from leaking out. The tube is bent
beneath the rim. An extra reinforcing strip
of thin canvas is present cutting at the edge
of the rim, and the tube is held in place by
cemented to the seamless hose, which is
cemented to the inside of the rim covering
the edge of the shoe to protect the inner construc-
tion of the shoe.

The formerly & Dreyfus tire consists of an
outside case lined with thin canvas to pre-
serve the tube. Within there is an elastic
inner tube, which is held in place by
sideways the hooked edges of the case in such
a manner that they produce an effective lock
to prevent the tube from slipping. The
outer case consists of a rubber inset tube having a brass
male screw at the end for the attachment
of the tube. The tire is secured from
being pulled from the tube by a wire which
is wound around the outside of the tire. It is
greatly improved, and the cost of repair is
greatly reduced, as the tube is made of
corrugated metal.

After a number of experiments the Victor
Company have upon the market a tire that is
surely superior to any other.

It is made in two parts, the outer covering
is made of thin canvas, and arranged so that
the thrust on the road.

The inner tube is made
of pure rubber, and inflated
with air, and so constructed
that it can be easily
removed in case of a puncture, and
repaired or replaced by
a perfect tube.

This tire is made so that
the opening an aperture in
the inner tube may be
easily repaired, and inflated at will.

The edges of the tire are covered with strips of
thin canvas, and the tube is cemented to the
air tube to rest upon. There is no stitching
upon the tire.

COLUMBIA PNEUMATIC.

Bicycles are vastly superior
to the others in the market. The public
manufacturers carefully noted the defects in
the tire, and have placed a perfected pneu-

matic tire, which is a superior feature, as
it can be easily repaired and inflated at will.

The edges of the tire are covered with strips of
thin canvas, and the tube is cemented to the
air tube to rest upon. There is no stitching
upon the tire.

THE DODGE TIRE.

The Palmer tire is composed of compressed
natural rubber, so that when a sharp instru-
ment is thrust through it, it immediately
withdraws, and immediately begins to seal
the hole, or the Thomas. If the tire is entirely
severed, it will still hold air, and remain
as good as any of the pneumatic tires, provided
it is not necessary to the perfect pro-
tection of the tube.

The Columbia pneumatic tire was first
made in December. It was of the Booth-
royd type, and improved and re-inforced in form
and construction, and is the best tire in the
market.

It combines at once the
great durability, and simplicity
of construction.

The inner tube is a composite of
cavities, and when it is placed the rubber
tread, the whole resilience of the tire is
double, and great resistance to puncture, while
it is strong enough for any rider.

SPALDING'S
241 Broadway,
Are showing the 1892
Models of the

VICTOR
BICYCLES
acknowledged the best.

Also the New Model
CREDENDA,

Equal to any machine
made excepting the Victor,
and sold at the extremely
low price of \$90.00.

NONPAREIL,
Both cushion and solid
tires, the very best Boys'
Machine.

A. G. SPALDING & BROS.
241 Broadway.

BICYCLES CHEAP.
White sharps are offering wheels now at any price,
we will offer second hand Warwicks, Columbus, Victo-
r, and all known makes at

\$60 EACH;
some nearly new; another lot at
\$50;

ORIGINAL PRICE, \$125.
We show what we advertise every time. A new lot
of English wheels this week—some dandies.

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(COR. 124TH, REMEMBER AV.)

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CULTURE
SAKS BETTER
THAN ANYTHING ELSE.

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the body and gives health, strength, and symmetry. We
guarantee full or part price refund.

*THIS IS THE
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FIT enclosed in elegant piano cases, suitable
for home or office. The apparatus agrees that ours is
the best home outfit for home. Contains chest, rowing
and lifting weights and dumb bells, adjustable for
any size, and a whole family can exercise together.

Prices low. Circular free.

WHITEY HOME GYMNASIUM CO.
HOBOKEN, N. J.

The New York Athletic Club's bicycle team will be
composed of six of the speediest riders in the country.

W. F. Murphy, A. A. Ziegler, and M. L. Nichols will be on
the team, and possibly Jack Hasson, the young Philadelphia boy.

Sportsman's Goods.

Sportsman's Goods.

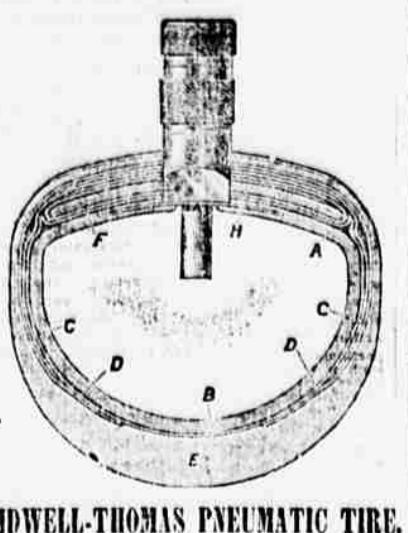
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CYLING INFORMATION, a 48-page pamphlet, giving full particulars, with terms, &c., mailed Free.



BIDWELL-THOMAS PNEUMATIC TIRE.

"TAKE YOUR GOOD ROADS WITH YOU."

This is a GENUINE PNEUMATIC and not an Inflated Cushion Tire.

Note the difference by a practical road test.

We are fitting these tires to all leading makes of bicycles.

You can ride this tire by ordering your 1892 mount fitted with the BIDWELL-THOMAS PNEUMATIC.

We guarantee them. Send for our A B C of the Pneumatic Tire.

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OF
1891 WHEELS
CALL AND SEE THEM.

GEO. R. BIDWELL CYCLE CO.,

Makers Tourist Cycles and Genuine
Bidwell (Thomas) Pneumatic Tires,

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NEW YORK.

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CLEARANCE
SALE
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FROM NOW UNTIL MAY 1 WE WILL OFFER AT LESS THAN MANUFACTURERS' PRICES OUR ENTIRE STOCK OF NEW AND SHOWORN 1891 PATENT BICYCLES.

WE HAVE ALL THE LEADING MAKES, AND YOU CAN MAKE YOUR SELECTION FROM OVER

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BICYCLES—WELL!

LOW PRICES THIS WEEK.

50 NEW SAFETIES AT.....\$15
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RUDGE VICTOR
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EUROPEAN TOUR

Leave New York, June 4, for France, Switzerland,
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WM. WOOD,

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